

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

701826-052090

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/031,640

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE CLAIMED

PCT/CA00/00482

27 April 2000 (27.04.00)

28 April 1999 (28.04.99)

TITLE OF INVENTION

MICROENCAPSULATED GENETICALLY ENGINEERED E. COLI DH 5 CELLS FOR THE REMOVAL OF UNDESIRE ELECTROLYTES AND/OR METABOLITES

APPLICANT(S) FOR DO/EO/US PRAKASH, Satya and CHANG, Thomas M.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau)
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
14. ☒ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:

Request to Make Citations of Record (1 pg.); PTO/SB/08A (1 pg.); PTO/SB/08B (1 pg.); Express Mail Certificate - Label No. EL565097656US (1 pg.); Return Receipt Postcard.

27 May 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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PCT/CA00/00482	27 April 2000 (27.04.00)	28 April 1999 (28.04.99)

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APPLICANTS

PRAKASH, Satya and CHANG, Thomas M.S.

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number: EL565097656US

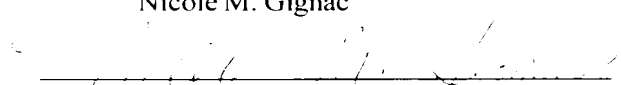
Date of Deposit: May 31, 2002

I hereby state that the following *attached* papers and fees:

1. Transmittal Letter to U.S. Receiving Office – PTO 1390 (2 pp.);
2. Declaration/Power of Attorney – executed by S. Prakash and T. M.S. Chang (4 pp.);
3. Second Preliminary Amendment & Version to Show Markings Made to the Specification (3 pp.)
4. Request to Make Citations of Record (1 pg.);
5. PTO/SB/08A (1 pg.);
6. PTO/SB/08B (1 pg.);
7. Return Receipt Postcard;

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. section 1.10, on the date indicated above and is addressed to BOX PCT, Assistant Commissioner for Patents, Washington, D.C. 20231.

Nicole M. Gignac



Signature of person mailing paper or fee